

RECORD

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(42)
before the war, mostly from the
free trade. When the local business is
the fact that the German, Dutch, & small English
trading companies are in the market to a great degree
of competition of the American. Among much
in demand. While Fred ~~the~~ I have
I have collected. The well built set of
up to the little dump of a town called
Montecristi. To look over Panama but
the natives, they reported did not seem
all anxious to sell & asked good prices
for their hats. Had some very fine ones.
The supply seems to be well cared for &
no one bothers to take the time to sell them.
Reed warned us that no better prices could
be had than in the dump in Guayaquil.
Our shoe collecting was ^{at least} only 20 or 25. ^{into}
afternoon the dredging was a gamble &
we lost out. Every morning there off
the coast, Monte Rio no boats only

an open roadster by the water, and a cab (103)
 is as fine as anywhere, but just as much
 as it is beginning to show 11.5.11.11.11
 started yet to go to the S.W. and a person
 a distance of 1000 ft. So much as the
 we had to go up dodging after 200 ft.
 On the second day we got hooked under
 a rock and the deck came down
 loose, had to pay out several hundred
 feet of cable in getting back turned
 about in order to try to pull out loose
 for all the work he did but we got away
 thankful to make the job & early yet
 for lead to foot we had one of the oil
 men with us as he was scared stiff the
 time and. It was pretty bad, but the
 red boat is very seaworthy in spite of
 the heavy load of brass cable with which
 it is laden. Some of the men got a nice
 drink called Amaretto a liqueur but
 when I tried to get a bottle found that the
 man had sold out to an agent. Several

with. Expended money on food, spare battery, 5
 more belts, inside of 1000. I bought
 took what small change I had, spent for
 couple of belts, just black & white & brown
 white. A young man whose father was
 quite a plantation at Bahia got the
 car & money. Came out to see the ship. He
 had gone to high school in Brooklyn. He
 supposed he had the ^{original} ~~same~~ down. Garage
 wife & second in command. He was a
 very nice woman who spoke only Spanish,
 a Guayaquil girl. He assisted in
 was born in Jijipapa, down the coast
 but spent about 2 yrs in the state, getting
 over the effects of malaria. Cold climate
 & lots of vegetables. He couldn't get well
 from here (they all take quinine during malarial
 time, the wet season as a precaution) so
 he travelled to the Canal Zone. He thought
 it'd be the best tropical hospital for him
 was in New Orleans, but when he got there

They went to New York where he stayed for
 well. The Standard was all over, paid.
 then, on by its future & I made of the
 tell us about the town of Lima, the
 intellectual center of the country. The
 agent was also president of the newly formed
 Rotary Club here & for Sunday morning
 we were all invited over to a cocktail
 party which turned out to be a champagne

This was just about 10.30 & I made
 up at least the scientific members of
 the party went farther down the coast to
 the second road for below town for more
 shore collecting. When we got back the
 Capt had brought the whole catch of
 the ship for species & a couple of reels
 of movies. This was Sunday the 20th.
 Got a *Platyphodon* & a *Macropodus*
 while we were on the job. Had no end of
 small boys for the time & a few were
 fishing along among the rocks. They were
 catching little *ocetops* for food & had quite

a number of pieces. Then they moved on to
 stick. We started to move on to Soggy
 for a party short afternoon but it took
 an couple of hours for the port officials to
 get our papers out for us again. They are
 always taken away on arrival & returned
 before departure. Ran all night & had
 the 4-6 catch in a net. Picked up a
 flying fish in deck. Shortly afternoon
 Jan. 21 anchored off Watling Beach
 Corgoma. It is afternoon's Corgoma
 Island all over again. The point
 of the island is much the same as
 we found when we tried to dodge around
 the other. A rougher day on the water
 than we just had the 2 days before
 at Mandu. After we got started again
 the S. led us just had to keep going. The
 waves were running so high I guess
 into the belly part of the ship before we
 got around the north end of the island
 got in the shelter of its east side.

106 a + 106 b = 43 + 44 = 87
 book printed figures 106

[illegible]

When Mr. Swett spent the time of our dingy hook. (109)
 the use of our dingy hook, they decline ^{to} ~~do~~
 emphatically. I mean the two we took
 out with us to show where the pearl oyster
 was located. I went over to see what
 I could see, & did gather a few fine
 oysters about a dozen but got no pearl.
 Also got 3 or 4 good large shells
 for the shell collection, which goes to the
 by the way. Mr. Smy looks up the shells
 there. The bottom where we were is
 largely broken coral covered with
 mullipores, as is some of the bottom at
 Onitanga though there the mullipores are
 rarer as the broken coral bottom, are
 sandy & rocky patches and quite a
 lot of similar appearing fish that
 we appear quite at home. Would
 liked to have stayed under longer but
 Mr. Swett to understand the pumping
 got tired & they started shorting up

the house & I had dinner. It seemed quite
 new enough, but at first I didn't
 I got settled down in my first room.
 The dining room was a good
 liked to have stayed in there. The water
 temperature is delightful along here.
 The day after the morning gave us a very
 heavy tropical rain in the evening.
 The boat got good foot of water in the
 it seemed to rain most of the
 day at Gagua, at least most of
 the forenoon. Every thing was wet & damp.
 Carl & Ray got big bats there on the
 Jan. 22 and later several lots
 of coral to work through for which
 we got a lot of good things.
 I gave the natives one pair of my
 tennis shoes and old shirt & old
 pants for a lot of f. w. shrimp, but

got none of the F.V. crabs I particularly ¹¹⁴⁷
 wanted to raise, for Miss Timogani idled
 her with a question mark. John went
 ashore for butterflies & said he looked
 for crabs up stream but found none.
 If I get a chance another year I
 shall take a try myself.

Jan. 23. After another all
 night breeze we ~~landed~~ ^{anchored} at Port Ulu
 this beautiful narrow fjord like Bay
 of last year, and it was just
 as attractive and pretty as the year
 before the second day. There were heavy
 tropical rains all day ^{morning} ~~night~~ and all
 day too. ~~to go down the river~~
~~and get the water level~~ ~~collected in the afternoon~~
~~all day~~ I asked Capt. to get
 some tropical ~~water~~ ^{we were out} and I
 particularly wanted more gull crabs & gulls.

But they got more or less cracked up by ^{the} ¹⁹
 of the willing helpers among the acety cracking
 up coal clumps & picking over the tub of
 fragments is one of our evening pastimes
 and often sitting round the biggest
 a mixed wash tub is at a premium. That
 is always put up on a box at convenient
 height. One does get a surprising lot of
 stuff though almost all the geological stuff
 I was able to recover a number of galls &
 quite a few of the tiny crabs were noted out
 of the debris. I was amazed to see how
 many galls there were in one ^{clump} of coal.
 I got more than portions of two clumps to
 show their occurrence (photo of such a
 clump would really be worth adding a
 plate to Miss Rathbone's present monograph).

Jan. 24-35. Shed took over the
 dredging this afternoon. In a.m. had
 shed pull a coal clump away
 into his great den which is much better than

They are that these notes have degenerated (11/23)
 till they are scarcely worth reading, let alone
 writing, or typing. Mr. Scott has been
 busy most of the time photographing native
 scenes. The natives here are Colombian
 in origin but all look like though they have
 some admixture of negro blood and they
 are pure negro. There are also some
 Indians who keep their selves aloof
 apart and consequently are still a
 pure unmixed strain. As Spruce
 Jolly expressed it, "Up on the point
 where the villages are located there are the
 two groups of natives living each group
 to itself. The one (negro + mixed blood) wears
 shirt and pants, and the other just kind
 of it is the Indian dress, although
 they do not live in houses they dwell
 what is called a *ajee* shing, a thatched
 and around the waist with a piece of calico

(145)
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The Indian women wear a short skirt & a
length of cloth over shoulders & are much
more picturesque & sturdy looking. I did
not get anywhere except to collect the good
place for things marine. The settlements
are up the bay anyway, but a boat could
have a big canoe with a family of
Indians came along side the boat
just before supper time. Man, wife with
little boy still nursing and two boys
and girl of twelve. A fine lovely group.
We had expected to get out early this
Jan. 26 A.M. but our Indian
turned up again all made up in war
paint with couple of the Indians along
with them. I tried a couple of maps &
did every one. Mr. Swell held up
our departure for an hour or so. I
received a letter of the good people
they are, some boxes of ~~the good people~~ ~~the good people~~ ~~the good people~~

and receiving materials. They gave us a lot of
plantains (c. 10 bunches) and some
and some mangoes, as well as a receipt.
The girl had on quite a magnificent
necklace of silver coins, which must
have represented a great deal of labor
and her own part. It was suggested
aboard here that it has a long history
which a number of generations had contributed
to it. We did not get a closer look at it. The
Indians stayed in the canoe and we were
on the deck. At parting they gave us a
piece of a plate of coral. It was one
of the most interesting acquaintances we
made this trip and if there is another I
feel certain the Velero will put it in the
shell. In closing notes.

This is the 65th day and 10th
we are going to go by a full 90. After
Port Alvia we headed for Cupica Bay

to the northward a couple of hours, much (47) 29
 in time to try last tide collecting with the
 idea of chiding the next day. Our
 second night in Uthmaniyah was spent in the
 Capt's officers of a Columbia light
 house tender that passed down the bay
 much to our surprise in the late afternoon.

The Capt. showed them all about the ship
 and they were much interested, their capt.
 spoke a very good English in the exchange
 of courtesies was a great success. I
 mention they here (I forgot the book a
 page or two) because we met the ager
 here in Cupica Bay. Their skipper
 said Cupica Bay was a bad hole for
 malaria as Capt. B. had told me after
 a long collecting that unless something
 very vital needed to be done he would like
 to move on the next a.m. to Adaria
 Bay and next contemplate a stop. So

The next morning after an early start, breakfast
 was eaten while at anchor in Octavio Bay.
 A good looking place, but Uthia is better.
 However, the day proved better. As for
 this morning, and shore collection, Uthia
 not so good as Uthia, is far superior to
 Apica. Whether its greater distance
 back from the general trend of the coast should
 make a difference I do not know, perhaps
 we didn't have time to better develop its
 facilities. Got several oysters in
 45 (\pm fms) Off the Octavio rocks & will
 dredge along the Playa tomorrow a.m.
 getting up at 6 o'clock to drink because
 as I planned to move on to Pinar
 bay 5 hrs toward Pangua & mail to get
 7 hours for Balboa. ^{very nice get}
 I hope to move on & forget
 all the blame for the delays, which is O.K.
 with me, & I guess the Shiffet & Scott too.

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 Had no rain in a first day at Uthmaniyah
 time of year is dry season at Panama &
 wet in Southern Colombia & Ecuador.
 The day John went shoe collecting while I looked
 over the dredged material. Got a line W
 to lecture tonight with my group of a 3rd
 arrival at Balboa.

Jan. 28, 1935 — 67th day out.

Had breakfast an early morning dredge
 at 8 o'clock as our Roaming gear went
 had. We left Octavia Bay at 8.30.
 near nine just shortly after we were at
 anchor in Penas Bay, where wild pineapples
 are said to abound. All the land here
 appears to be taken up & the beach front
 is the most populous we have seen outside
 of any real constituted town. A number
 of the inhabitants are negroes who speak
 Spanish. Some of the weavers of the black
 cloth worked in the canal. The dredging

was picking up nicely when the breeze came (123)
 and drove us up to the top of the bay. 35
 Here now at Pénas Bay in the afternoon
 the tide was not very good and the drift
 is a consequence poor. We had Carl
 bring in a lot of coral for cracking up
 and looked it up after supper. We have
 very fine light night view on that, to work
 by (all was nearly 100 ft) I found
 a few coral galls here the second
 American locality & considerably north
 of which regretfully we got no coral at
 Ost Capica Bay. We found not galls
 that from Octavia. In some of the
 coral from the places worked last year
 we had had galls we would have noticed
 them nevertheless I shall be glad to
 see what we may find north of
 Panama. Bahia Honda if we get there
 this year! All of these bays are heavily

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 landed very mountainous & hence very full
 except for very steeply & perfectly a vertical
 the mountains are distant right to their summit
 the palm that I but, and I usually greeted
 along the beach and the head of the bay
 where in all a good sized river empties.
 Beautiful blue clear water, pieces of
 of green, and range after range of hills
 and mountains. It seems as though
 the other, for the vivid bright jungle green
 in the immediate foreground getting larger
 and bluer successively in the distance till
 the last and most distant peak is
 quite blue or even purple, and of course
 above all the rest. One is in no hurry
 to move on for such a pleasant scene
 except for the urge we feel for getting a bit
 of mail for home. Everyone wants to push
 on. The fact of all, perhaps it is
 here. Helen Morgan, though she says very
 little about it. All the day I have been
 full of a desire

Tuesday Jan. 29. 68th day out. (139)
 dredging 830 to 1130 got for lot of things
 nothing large a crustacean a number of
 small organisms of various kinds. The
 chances for shore collecting were so poor
 that this afternoon we gave it up. However
 Carl + Barntun went for coral in a
 different part of the bay. Got good stuff
 in the gulls + a shrimp. I don't recall
 having seen in coral before. Ray Elliot
 and Sparks went up to a bad cave
 near the place we shore collected yesterday
 day + got two, plus a number of small
 fish from a tide pool. As a result anchored
 coral for a long time this evening, but with
 the help of three or four of the crew. No
 porpoises seen to day. There was a
 school in the offing yesterday but the weather
 was too rough to give us the chance to
 get them. Was near 1.30 p.m. when I got
 to bed. Don't time off to hear 28 Wya in radi.

Wed. Jan. 30 Got underway about 4 a.m. (41)
for Ballston, Maine! It was good
to get your recent letter, I hear
about all the news back home, though
there's very little about weather changes
in any of them evidently it must be that
as scattered reports were sent out by
our radio.

Went came in here this afternoon
about 3 o'clock alongside the oil dock
to see beautiful day as you could
imagine As Howard the electrician
said his yonder Ballston called
the Ocean Pacific, so much more
than a ripple as we looked out over
the broad expanse miles of it, of the
Gulf of Panama. Windy warm sun.
Dried and a comfortable breeze. Yet
has changed this afternoon for a few
minutes. Hilda and I in the field can see
all kinds of small insects.

There is nothing I should perhaps mention about
 about collecting in the vicinity of Mantas. The
 any popular place in the world (and the
 it is not a popular place), and I
 but they came swimming down to the
 beach, if they were not already there
 swimming and swimming. The beach
 a few for others might be able to see
 that we were about. One had a picture
 of seemed in a few words of the beach
 which was worse perhaps than most
 anything in the world (at least the best
 part of the world) wanted to help
 the rest, the more helpers stood around
 as close that we had to push them
 to move before the next rock could be
 turned. All expressed exceedingly
 interest in the few bottles we had in
 our buckets and were particularly
 covetous of the quart jars we had.

1066.
~~1345~~

I could spare none for dear money, so
dreadfully short of them. I did have a
few of the right ones, so I was safe.
Some of the small boys borrowed my
little hand net, and I did get a few
little pool shrimp, I might have
seen a few more. I sent down and
the rest of the fish with nothing less than
an American dime, 100 centavos
in their money. and when we went
a point further down the coast the
next morning, collecting a couple of
the same boys were out hunting and
all helped me a bit again. You
can well imagine the crowd that
would gather round a foreigner who
could work with a hammer &
pick up all manner of small
worthless marine trash, at least
in the residents' eyes.

Jan 30 contd; 69th day, Wednesday. (124)
 I went to town 2:30, but in the train
 of before we got there headed to see Zetich first
 thing we walked up with Stiel & Antunba
 8:01 to Zetich in the limo. Rel. just 11:45
 pass Bury-chang but found him out.
 Mrs Zetich said she would tell him.
 So we went just before supper dropped
 in with wife, daughter & son in law. Saw
 two lumps in Gung a girl. daughter had had
 fall through iron grating & injured waist &
 ankle & still has some nervous trouble, not
 worth mentioning in both places, & is getting
 treatment for them. Zetich himself is having
 some trouble with knees & legs, about standing
 legs was to give way under him. He said
 he would get in touch with Hildebrand for a
 name bottle and have Mrs. Zetich by the way
 for me. So that is word off my mind. Buy
 a bottle. Put only work paper available.
 & active may. 9 Jan. 28. So you see
 the thing that is ahead of date of
 issue enough. This evening I dated to day

a board to write letters but when I did want
 that next air mail closed Friday at 7:30 p.m.
 I let myself be persuaded to go up tomorrow
 over to old Panama with L. & Tilly & then
 thank Mrs. Tilly, sister-in-law, who
 the lunch wanted to be around & go to Kelly
 in Las Vegas. The dog was very thing
 was a demonstration down, long the
 came, but did go into Kelly's dance
 hall, where we all sat at a table & had
 a sort of drinks. Must took Planter's
 punches, which are whiskey mostly & I had
 beer, and just before we we passed me
 and was. Some most of the crew were, we
 (the men folks went in for a glass of beer with
 them, we were about dragged in, while
 Bonnie Tilly walked up street friends
 shopping with said wife.) Then Kelly there
 and of your drifted in front of our table.
 & we asked Tilly for dance & she had to
 dance with him. He shot the mess boy
 who 230 I guess. Kelly is just for
 fancy punch & dance hall, might still be

with a singer, a couple of dancers at intervals
 with the fun between the entertainers, putting a
 lot of the guests into a state of empty stomachs
 were there, & of course good & all that done
 & drink with patients of wanted. I was
 not of this, but rather beautiful, decorated
 with glades, garden gates, great fish
 plates, & dim lights & far off through the arch
 in an antique & sky, a most life-like full
 moon, & I heard the wall was the
 extent of a house & you were sitting on a
 table by the magnificent (Pachyderm) is in
 the garden of the house, was in the middle of
 one side, a little raised above the rectangular
 dance floor before the musicians
 stand, & in the wall the arched
 porch, with rail before, & curved away
 from the arches. The kind of a place that
~~the~~ Washington gold eye, & a big
 higher down, though this is a high down
 place of its kind, you know.

Jan. 21 Thursday Jan 6 evening Zetelashere
 to come to lunch at 12:30. The (today)
 to get a long, long letter written to her heart
 and to the ship. afternoon. All on. I asked
 an older one to get together my mail up today.
 On way off ship to Zetelashere had a liquor
 salesman waiting at the gangway for the
 capt. A Norwegian, he looked like
 only one resident of Panama, though
 there are three or four scattered about
 through the back country, and the zone
 + out of Panama city. He gave me a
 gift to Zetelashere. Mrs. + the Zetelashere
 cousin. I believe some in Panama + daughter
 were to lunch. Had a nice (at least) first
 tasted as I was mild excited to start off
 with + after a little letter eat down at
 the table. I think excited to start, a sort
 of corn flake + a little short 1/2 a cup in
 piece of bread standing up in a dish in the
 middle of the soup plate. I asked how

from the outside,
 Fred, rough, stick (and of medical stock in the
 what it's called at home, then I found
 down, I don't remember. She's the daughter
 of a Mr. Webster of the old Museum of Entomology.
 Francis L. O. Howard very well and gets con-
 siderable mention in his books in part of
 entomology (Cite Miss Munn or for a
 copy for Mrs. L. B. Scott). She was
 raised in Kensington & knew some of the
 people I'd gone to high school with, who lived
 out there. Elsie Cunningham (you know her)
 Jimmy Townsend, now in Ont. Health Service
 Hartston, & Nellie Schaffer, all or most
 in old year book. She herself attended
 the Cherry Chase Seminary at the time.
 Her two daughters are in school in the state
 & the other in school here named Barbara
 also a girl 2 or 3. Had a pleasant time
 & got back to ship at 11 pm to the beginning of a
 tropical rain which I didn't hear but which
 they ^{as I heard near Port-} said lasted most of night.

18th Feb 2 (72d day and) got up at 6 p.m. ¹³⁰
 started Mrs. Rolan & the 16th Bond along.
 Husband of Mrs. Bond & his little chief
 computer, as the party was well chaperoned.
 Betty Vista pointed out that its name
 for the sake of the same name, is a good
 rich ground, I wish, I had collected there
 before a bad snow time this trip. In N.Y.
 the tide was not right, as I recall it.

When I got back to ship last night, Mrs.
 told me that ~~John~~ Bildehead came by at 8.30
 p.m. So on the way to go collecting I left a
 note at the hotel for him. saying we would
 pick him up at 10.30. It was nearer 11
 than we did, & Mrs. Rolan & Bond left him
 at the ship. Had Bildehead to lunch, & later
 went back to hotel with him to pack as he
 was leaving next a.m. 5.30 for mountain
 2 hr. airplane flight. He went to go
 down to 3rd night. At this time of year.
 He said Volcan began to melt. Charles
 Bildehead knows the country like a book.

but for us if will get permit for Governor of
 for him, as per a former letter. (It is promised
 to be done but will be a couple of weeks to know
 if I will let him know in advance. He
 got away from dock at Balboa pretty
 sharp at 1.15 + headed out to sea, got
 a water snuffle + bang 9 when ship suddenly
 stopped + when they rushed back to haul in
 log line (which otherwise might get tangled
 in propeller) we learned that a small boat
 off in the bay was moving frantically + seemed
 somewhat in distress. Naturally we headed
 that way but could not get far off channel
 + water was too shoal, meanwhile drifting land
 Mr. Sweet, Ray + some fuel + Smithy
 went over to help + got them in tow. There
 a whole flock of people in little sail boat. We
 learned afterward that a little native fish
 smack with half dozen natives turned over +
 that the sail boat stood by till rescue should
 be effected; there were or many natives

then the rail boatmen & ladder down the (125)
 and down rail a canal now. In. Scott took
 over, natives & got them up turned up in
 low & rail boat up & left. He tried to
 over the pil. & boat where a Grace Co
 demand which happened to accompany me
 of the steamer and took over the burden
 So after an hour's delay we were on
 our way again. Arrived Secas
 Idz after an all night run at
 9 am. Oct. 4. (74th day) & first thing

was done coll. which we were unable to
 do here last year. while Carl was getting
 coral & though they haven't worked yet
 after dark we found two gulls in couple
 of tub gulls. So we know it extends at
 least this far north of Panama (Port Whin
 to south & may be further which is interesting in
 view of currents, because at Santa Elena
 the Humboldt current turns and flows coast. a
 few south or in.

Feb 4th Contd. We got our first surprise, at Car
 hy. Swett did. In afternoon, different
 after the dark all over, little light date
 before level of the flippers back to vent just
 before which triangle area was drawn, light
 tan, or fawn color. It was the only one of
 its kind in group of dogs a ²⁵ more, which
 was all of spotted type ~~seen~~ ^{later} off Gorgonales
 area. ^{When} ~~When~~ may well have been a
 after a full night's job with Ray
 left & came from Study Smith. I
 must say I prefer to pickle them in
 alcohol to make salt. It bothers me to fear
 it will go bad. I know alcohol what it
 will do. These ~~plates~~ ^{slides} are showing up on
 good grounds & will stay another day
 for another surprise & checking. In
 Swett also discovered a stream of fresh
 water in the ~~lower~~ southernmost (S.E.) of larger
 islands, running into coral cove as we call
 it where we collect. Carl did most
 of coral examined last year & this.

Feb 5, 1935 (75th day) The wind died, & the
 a. m. & p. m. before I went back we tried the
 wind up collected to investigate fresh water
 stream in Sept. 1934. The wind died, & the
 moved anchorage in line of lagoon, id to
 northward, & part of the group there we
 would be more sheltered from wind. I got
 a lot of F. W. shrimp + 2 S. W. fish. Big
 secured 1 running bird in. Swallow
 purple hunt all afternoon but no
 luck. The fresh water is scarcely more
 than a strong flowing spring; with run of
 water, maybe as big as a finger + several pools
 with a big one at bottom just before beach
 where Corral gables have heaped up rock
 fragments washed down the steep boulder
 stream bed to make a dam that looks as
 though it's made by man. Some Billy says
 the white luster ring it should be its own ring
 water turning the S. W. shrimp of which I got a full
 quart. I believe it lasts till we reach
 rolls around again, as the next July they say.

Feb 6, 1935 (76th day) Being minus tides ⁽¹⁷¹⁾
 had another spell of shore collecting in the morning.
 It is remarkable how much of the flat
 there was, couple of acres of Boerhaavia
 it seemed all spread where last year
 we went diving for it, the mud to 10, 12
 or perhaps 15 feet run out here. While
 nearly everyone out Capt. Little was out
 securing the flat, I went up stream again
 in hopes of getting a real P. W. caud, but
 did not better than yesterday, ^{again} several
Gecarcinus, Scorpaenidae, and one more
 I think of a fish, from pool, but no other
 amphipods, though in beach just beyond pool
 I got quite a number of sand hoppers.
 After lunch went dredging over most of
 ground Fred worked over in a.m. yesterday.
 and got much same run of stuff. Before
 party tried again all afternoon, but with
 discovered several abandoned houses in beautiful
 (at a few rods from one of the larger islands).

Sea snakes were plentiful, with dip net got several to take back to Dr. Thiggs Zoo, at least one of which was dead, from loss of dredge boat while we were towing the net.

Feb. 7, 1935 Thursday. Change clocks all a.m. besides cooking bottles that had little in them, thus to make a few more 8 oz. empties. Sargy started on getting me a course chart indicating the water sample stationing thereon, so I had to line up sample & give him position data as available.

Get to our next spot in Costa Rica about 10.30 for immediate shore collecting.

Feb 8, 1935 Friday the 78th day out.

Put in at ~~El Estero~~ ^{Playa Blanca} Bay about nine a.m. a very impressive place to look at but some of best and richest shore collecting yet, I missed out on I undertook the dredging, which was in different lot of stuff, but some very nice shrimp & crabs. Ray looked for birds & saw nothing out of ordinary or took.

none. There are plenty of trees but all look (1375)
 though they needed water badly. A party took each
 one or two of dead shells of all descriptions
 but we just don't seem to be able to bring them
 up in Dodge. In the morning (1376) we need a
 small other hand under we are in (Intergas)
 of smaller pattern. Ray also reported a number
 of little and bears or counter ashore. After
 lunch we moved around to Port Parker on
 other side of ridge from ~~Agua Blanca Bay~~ Bay to
 north, an even more sheltered place is
 seeing for the Papagayos, a small wings
 from the land. The whole gulf off which there
 several Costa Rican bays. Open that we are
 now visiting is called the Gulf of Papagayos.
 These strong winds blow for half a day at a
 time and often are dangerous blow for small
 craft, they often more harbor only sail vessels.
 Port Parker the hill mounting side to the
~~east~~ and have a eroded looking a regular
 Lower California landscape on ~~east~~ ^{South} ~~and south~~ ^{with} low
 scrubby growth & trees as in Playa Blanca Bay.

(147)
 The entire report by Ray induced several of
 ours including Bay to get permission to use
 boat to go ashore after supper to hunt, but
 it got too dark to see, they could not get
 ashore because of mangroves & could not
 find landing beach by single natives
 here. (The boat has not visited it as yet)
 nothing of the inhabitants). They did go
 up rather large stream entering bay from
 distance & said they saw a heard a
 number of alligators which they are going
 to try to get today (within many of mouth).
 Sarsbery Bart put out electric light
 & we got the thickest mass of schizothorax
 I ever seen. I killed 3 qtz. a solid pink
 ovaries were bright green in females.

Here are
 a few dried I picked up off the work table in the a.m.
 In Playa Blanca Bay Carl got two dumps & rather
 lumps of Poronia, massive coral, all he could find
 He was on opposite side (S.) from the good coral
 reef Fred & John discovered on north side
 of Bay.

Elaine Morgan is completely well again + (441)
 everybody happy + wants to prolong the cruise
 except the Dr. who is still very anxious to
 get home as always.

Feb 7 We spent yesterday afternoon
 as well as today in Port Parker, getting
 afternoon spent exploring the
 the things around for Seal Staging
 Bay. The in Port Parker we were at
 the call John, Fred, + Ray, Ray +
 David went out with dredge boat +
 haul for a while. All the afternoon
 we can see the ice was lying well in to
 the night getting stiff & cold over + packed
 down. The cruise place, quite a land-
 locked harbor and a fine place with all
 for the day. In the evening as I reached
 Vancouver the other Rogers were more
 especially prepared to get them round some
 of the Canadians + Panamanians. Tonight

Feb 10 could hardly see better + alcohol in a (143)
 to 12 noon they went shore called a 5 side Bay
 at pt of rocks behind reef has fair + did
 get quite a number of things, several spiders
 at last minute + few long fiddlers, but
 trees behind beach was a whole lot of
 monkeys swing from limb to limb they were
 they swarmed down on the shore near where
 he was working. Drove further up + did
 not see that event (though I was the only
 witness later. As Culcha last year a very
 windy place there almost all day long +
 unpleasantly loud. ~~At night the light~~
~~light was very bright and the water was very~~
~~a bright light in Parker Bay about the fish~~
 plenty in early a.m. in Parker Bay got a small
 water fish, a 6 lb. sea bass both of
 which I tanked in my last empty water
 snakes. Salinas Bay is to be the Pacific
 terminal of the Nicaragua canal if the
 built, plenty of room + plenty of wind. In
 many respects resembles Port Culcha
 of last year, but seems less populated
 + has very few houses + the sea + not all

inches, a charcoal fire on the hills. There were ⁴⁴85
 very numerous - Calappa both years. There were the
 11. doubtly it is the dry season. Here + hills are rather
 low + some looking. There is plenty of vegetation +
 scattered on the hills, some in something similar
 are plentiful. However there is no lack of
 fresh water. Several ~~mountain~~ rivers +
 streams enter the bay on all sides.

Feb 11. Early the am. I went dredging
 after an ~~early~~ breakfast, in an attempt to
 get it done before the wind got up, but
 not to much avail, had plenty of wind
 all morning + not much pleasure or
 comfort in it, except in the lee of an
 island toward S. of middle of bay.
 Shells were good + especially rich in felle
 crabs, till that monograph is published
 I'm paying special attention to these. Again
 Mr. George Calappa, as per Joshua I
 suppose he has to break the ground to be
 able to pick them up. We returned pretty
 wet to ship, at 9.30, and instead of leaving
 2 as planned, did not get away until 10.20 am.

Feb 11-12-13-14th Monday + clearing up ⁽¹⁴⁵⁾
 and specimens, wonderful quiet weather +
 nothing of moment except eating. Got a
 number of the debris sample, worked with
 not all bottles - but all gone. Valentine
 Jan I was reminded of the rough diary
 I kept in little book Mr. Knowlton gave
 me. So I fixed it up with one of the
 stencils to print some paper plates
 as valentines + in several we put little
 wrapped bundles. Eleanor was giving
 capsules (her valentine was made to send
 for the. John Gault we gave a wrapped
 up frozen chicken labelled for Orabel.
 (Orabel told where he wanted to get a
 tropic bird) Sterling a piece of coral
 from Fred (who was mad as him for
 giving away some of the coral chunks he'd
 been saving for himself) and so on
 I got a piece of cake from Eric the
 cook (picked out by an valentine).

4³⁰ underway

Our air compressors were showing a little ¹⁴⁶
leakage which kept getting worse, so we ⁸⁹
decided to put a hose at the water intake +
cut out the old. A day + a half we
estimated for the job. The piston rings
also the engines in the hull of the ship
were good for 1000 hrs, but the thought
they would see the cruise through + as the
one engine they failed at 1,149 hrs.
So they changed rings in both ^{main} engines
compressors. Thus we got more
more dredging + shells + ends of shore
collected. In Oct. 15th we put in
at 1⁵² p.m. On the morning of the
16, we got out at 5³⁰ for a beach
start to explore a big lagoon entering the
north ridge of the bay, but didn't get
much in the way of the line except a few
mangrove crabs + shells. After a while
with the crowd about my second gift
then we lifted anchor at 5 p.m. when

91
 It was the very first beyond the cape
 they on the bay sheltered where we were
 anchored then it ran into some of the
 rougher water. I have never seen in the
 most any craft, huge walls came
 tearing down right across the
 ship began to pound & then brought
 into the (is you know every fifth
 somewhere is a really large one
 as for those is they hit was like hitting
 a brick wall, a heavier would go right
 through the whole ship whether or not the wave
 would rise above the bow, ~~and~~ break and go
 tearing down the decks. Ray who was looking
 after the animals on the after boat deck said
 that the water was running in like deep to
 that on the upper deck. Being a pilot
 and a small the ship stayed in the water
 though the sea for a distance over the deck.
 I had just left the upper deck at once
 I felt the danger of the water. Got by O.K.
 when I thought I was in.

had then after about 2 hrs of in every 148
 after starting the engine that they finally
 decided to turn about & go back to the
 cabin. There we met 2 Chinese boats that
 had passed us on the way up. Next
 morning Mr. Street went over to talk over
 the weather further north. They had just
 come down & came back with a fellow
 who'd injured himself during the rough time
 they had had. Mr. Street found that he had
 a leg a bit. So Dr. shifted him up &
 told him how long to rest. They pulled
 out about noon. This was Sunday
 Feb 17th and we got under way shortly after.
 During the morning the fishermen found up
 a vast number of Portuguese, & mostly
 all youngish chaps like college boys
 on a cruise. in shorts & blue and yellow
 light jerseys, some with the blacking
 etc. One told us as we went by that
 it looked to them as though we were going
 to buy ~~some~~ head in the next area. Well

by the afternoon a south wind which had ¹⁴⁹
 during most of the morning had laid the sea
 quite flat, but at 4 p.m. by land part with some
 somewhat increasing to the feeling. Craft
 my back, the + further who reached the
 before we arrived. The rest of my journey
 tired of the motion. Kept up all night
 + most of next day till about twelve
 approached ~~Cape~~ Cape St. Lucas light
 toward supper time (toward 5-6 p.m.).

All this motion & swell, it was for
 storm was the afternoon of one that
 blew down up of the gulf of Calif. at
 was crossing this & my first trip that
 I got sick first time in 16 yrs. We had
 plenty of high seas but no strong wind so
 had been a storm we could not have
 turned about as we did. Just to
 chase you how much motion we had
 sea day night. The dredge boat
 check

worked loose + as a result the bottom of the
trunk ended in a couple of places beneath
noticed it + got it secured again. At
last a quarrel in my work table + the
I broke + myself then + securely lashed
got loose otherwise no damage.

Time Monday's (18th) breakfast
didn't care for much ate a dish of eggs
as hot cake. Just about everybody a
board felt more or less in comfort
Had the 12-2 watch Sunday night. ☺

One of the monkeys got loose just before
lunch + jumped on Mrs. Morgan + bit
+ scratched her leg quite badly. But
kicked it off + in Dr. Ding's hands made
the injury worse. (Here it is Wednesday
the 20th) + he's still piled up in bed
he can't get his leg down off the bed
without ~~it~~ hurting too much. He's
leg hurt in ~~the~~ the leg, & the he has
to be by auto.)

Tuesday Oct 17th

(99)

This am put into Santa Maria Bay
 Soc. Calif. but little high & dry for
 any of commission, stayed a while for
 the first time we were here, the presence
 getting box of rocks & cards packed. An
 more packed up at the stage of game
 than any year previous, but don't expect
 to have much time to come out will
 be Monday Tuesday or Wednesday before
 I can get everything ready for freight
 shipment.

Wednesday Oct 20th

The Capt. doesn't want to get into
 San Diego before 1 p.m. so we land over
 at South Bay Cedrosid for the forenoon.
 H. & Son's well fish got 1 mottle & one fish
 work bass, rest stayed around & I got
 this p mottle more or less up to date. The
 wrecked oil tanker is still at San Benito
 Ed. S. & Son's these are now finished. Had about
 half a ton of fish & whale gear at 30-20 p.m. & clear out

Smithsonian
U. S. Nat. Mus.
Institution.

Jan 28
1955

mid N
Hid M/om
tag 5.5. E

15
440
off shore
mud

438
25 fms
coarse sand

isolated
Kks
20 fms
439
off mud
+ reg. debris

443 (20 fms mud)
off N.E. pt. of N. Id

rocks + coarse
sand sea fan
442

30-35
at large

20 fms mud
32 fms
444
N. of Sand Id
1/2 way to N. Id

Bar.
U. S. Nat. Mus.

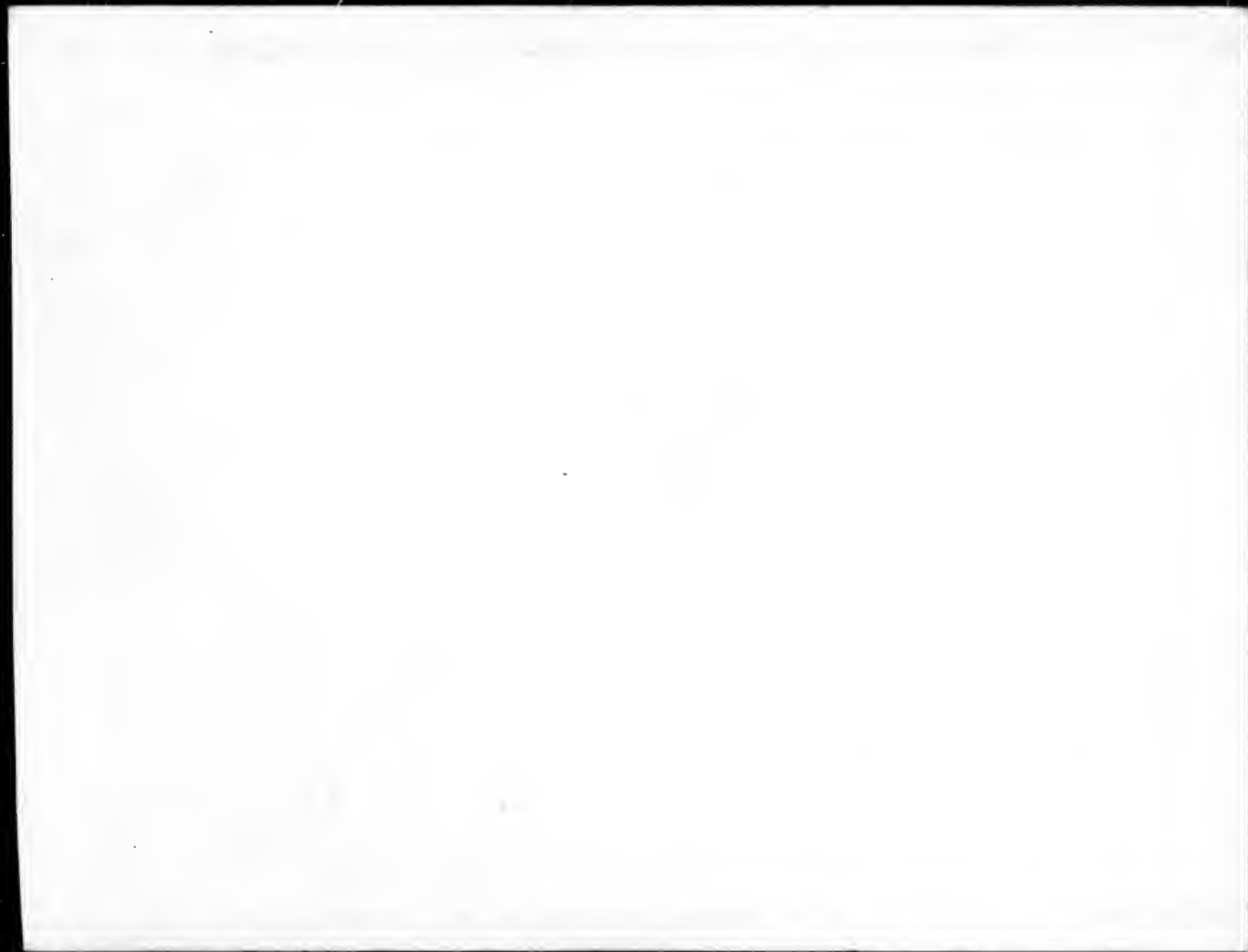
Smithsonian
Fish Hawk Sta.

U. S. Nat. Mus.

Bur.

Smithsonian

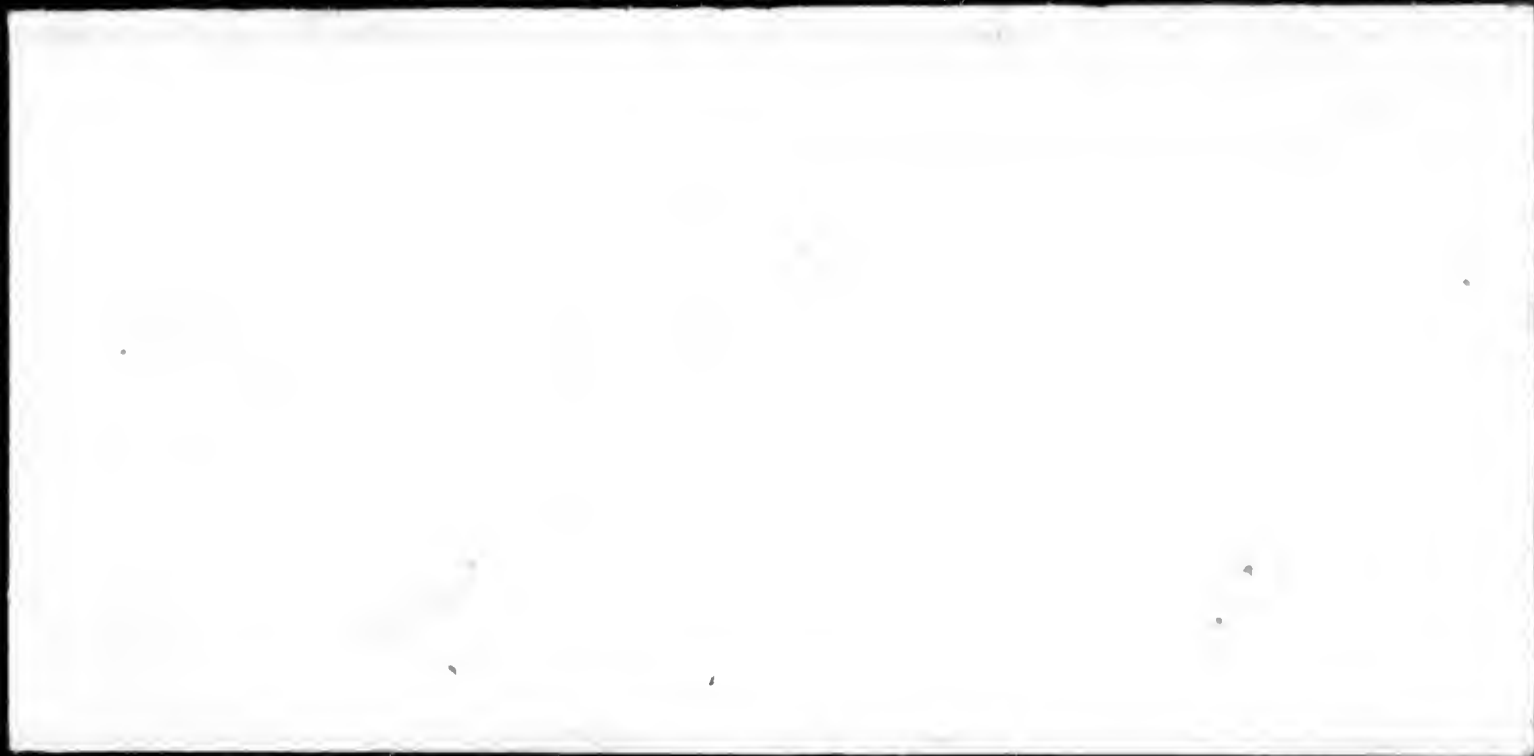
Fish Hawk Sta.



U. S. Nat. Mus.

Smithsonian

Institution.



Jan 28,
1935

and N of
H. 1st M. from
by S. S. E.

438
25 fms
coarse sand

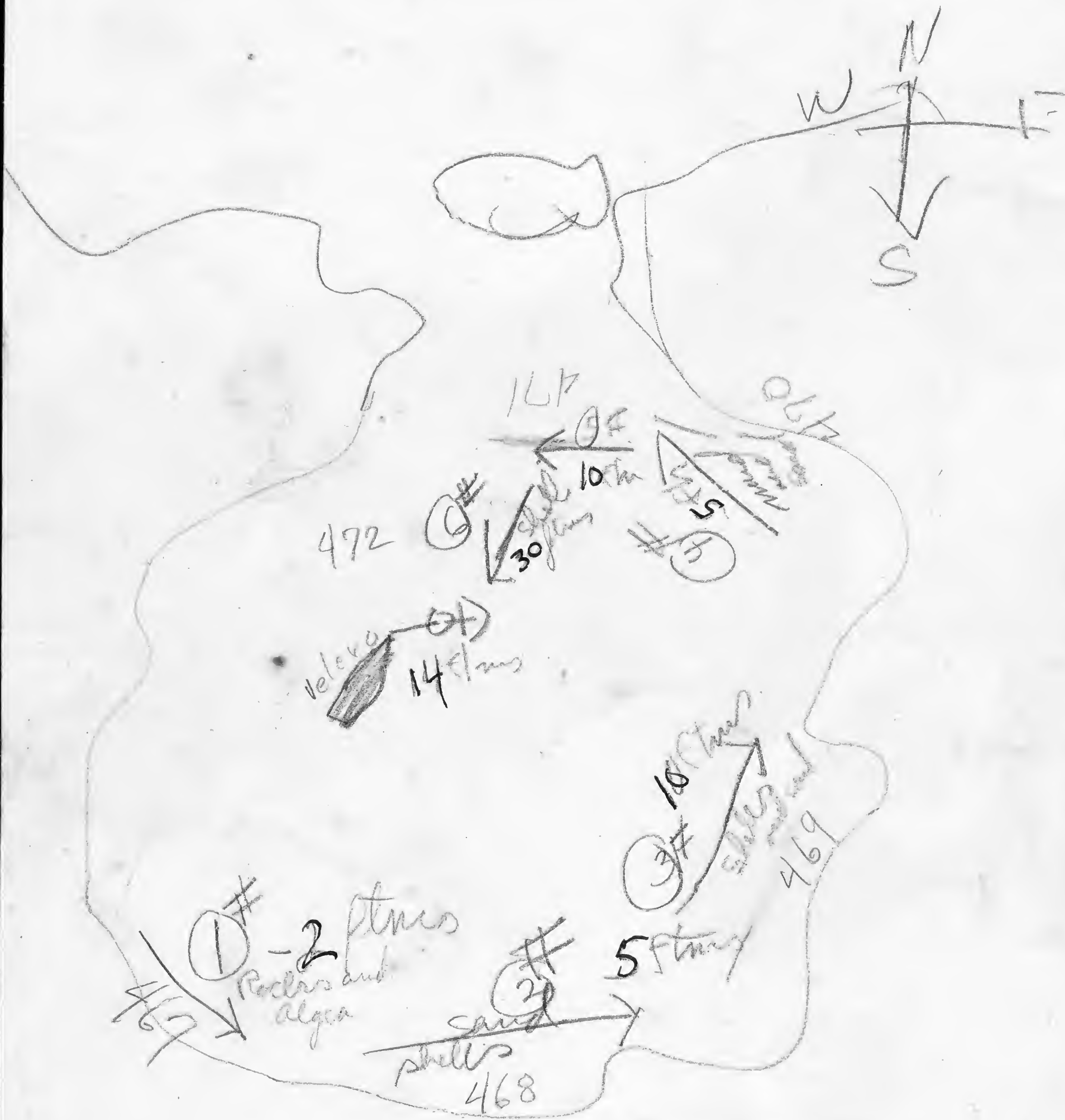
in light S. 7/3
15 fms
440
off shore
mud

isolated
Kles
20 fms
439
off mud
+ reg. debris

443 (20 fms)
mud
off N. E. pt. of N. Id

20 fms mud
32 fms
444
N. of Sand Id
1/2 way to N. Id

rocks + coarse
sand 442
30-35 fms
N. Id
cont. mud
along side



Coral = 473

475 = 20 fms
→ mud

481 = 6 fms.
coarse sand



476 = 8 fms
mud

478 = 1 1/2 fms
coarse sand

480 = 12 fms
veg. debris
& shells

477 = 2 fms
green algae & pinnae

479 = 2 fms
shelly bot.

reef

shore coll.
474.

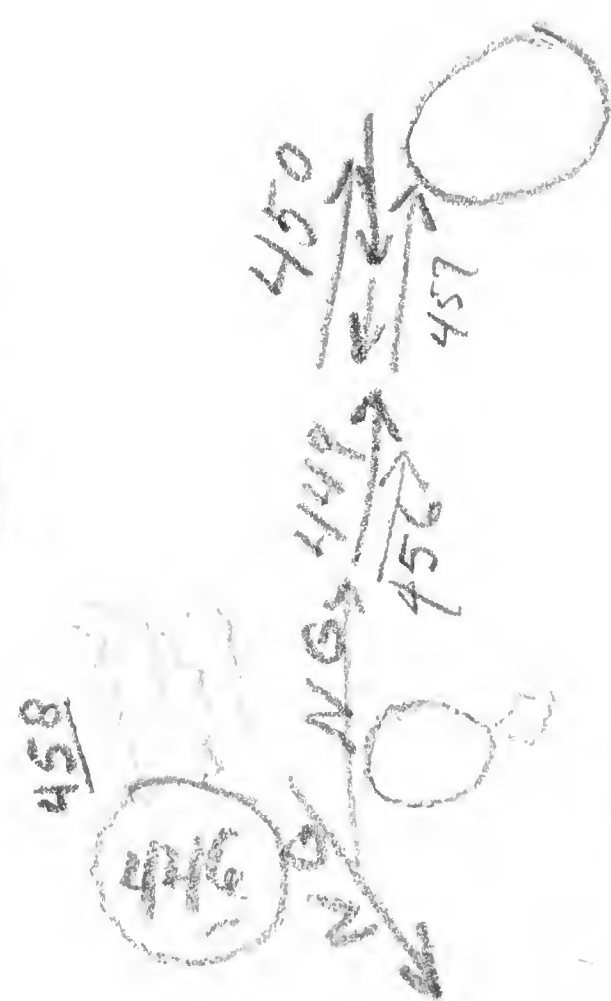
Feb. 5+6



Anchor

457

Anchor



448

NG

NG

Secas Isles
Rep. of Panama Feb 5, 1935

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